INTERNATIONAL SEARCH REPORT

International application No.

	101/01/	2.004/014102
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ G01N27/12, G01N21/75, G01N27	/00	
According to International Patent Classification (IPC) or to both national	al classification and IPC	
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by cl Int.Cl ⁷ G01N27/00-27/49, G01N21/00-2	lassification symbols) 1/83	
Kokai Jitsuyo Shinan Koho 1971-2004 Ji	oroku Jitsuyo Shinan Koho itsuyo Shinan Toroku Koho	1994-2004 1996-2004
Electronic data base consulted during the international search (name of JICST FILE (JOIS)	data base and, where practicable, search to	erms used)
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where ap	<u> </u>	Relevant to claim No.
X Hiroo TAKAHASHI, Hideki YAMAO MIZUKUCHI, "Dipyridyl pyrrolo Kessho Takei to Denshi Kozo", Y HARDCOPY 2002 FALL MEETING Da Gazo Gakkai Kenkyu Toronkai, 2002	o prytole no , JAPAN ai 90 Kai Nihon	1-3,4-6, 10-11,14-16, 17-19 7-8,12,13
J. MIZUGUCHI, Solution and Solution Properties of 1, 4-Diketo-3, (4'-pyridyl)-pyrrolo-[3,4-c]-Protonation and Deprotonation Phys.Chem., 1993, No.97, Vol. 693	6-bis- -pyrrole on n, Ber.Bunsenges.	1-3,17-19
× Further documents are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document merrnber of the same patent family	
Date of the actual completion of the international search 21 October, 2004 (21.10.04)	Date of mailing of the international sear 09 November, 2004	
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer	
Facsimile No. Form PCT/ISA/210 (second sheet) (January 2004)	Telephone No.	

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International application No.
PCT/JP2004/014102

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-240746 A (Matsushita Electric Industrial Co., Ltd.), 27 August, 2003 (27.08.03), Claims; Par. Nos. [0021] to [0025] (Family: none)	7-8,12,13
х	JP 57-120847 A (Nippon Telegraph And Telephone Corp.), 28 July, 1982 (28.07.82), Full text; Figs. 1 to 2 (Family: none)	1,3,17,19
Y	JP 3-75551 A (Omron Corp.), 29 March, 1991 (29.03.91), Full text; Figs. 1 to 3 (Family: none)	1,17
Х	JP 9-249815 A (Ebara Corp.), 22 September, 1997 (22.09.97), Full text; Figs. 1 to 4	1,17
A	JP 62-11159 A (Massachusetts Institute of Technology), 20 January, 1987 (20.01.87), Full text; all drawings & AU 5030685 Al & EP 185941 A2 & US 4717673 Al & US 4721601 Al & WO 89/004061 Al & CA 1256542 A & CA 1260159 A & US 4895705 Al & AU 4787990 A & US 4929313 Al & US 4993956 Al & JP 3-502419 A & US 5034192 Al & JP 2073456 C	1-19
A	JP 5-10908 A (Ryuichi YAMAMOTO), 19 January, 1993 (19.01.93), Full text; all drawings & DE 4221189 A & US 5273841 A1 & JP 6-52904 A & KB 211089 B	1-19
A	JP 6-160319 A (Hughes Aircraft Co.), 07 June, 1994 (07.06.94), Full text; all drawings & EP 584557 A1 & US 5331287 A1 & DE 69326726 T	1-19